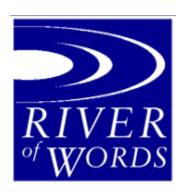
LOCAL RESOURCES



Mary land's Aquatic Resource Education Program



Established in 1990, WET (Water Education for Teachers) is an interdisciplinary water education program which targets educators and young people in grades K-12. The goal of **Project Wet** is to facilitate and promote the awareness, appreciation, knowledge, and management of water resources through the development and dissemination of classroom ready teaching aids. A trained network of teachers, resource professionals, and citizens organize and teach Project WET workshops throughout Maryland. By

familiarizing educators with current water resource issues, Project WET ultimately reaches students by incorporating interesting activities, simulations, exhibits, and models into the classroom. For more information about Project WET, please contact Cindy Etgen at 410-260-8710 or cetgen@dnr.state.md.us

Aquatic Resources Education Conferences

This program introduces educators to workshops and class projects related to aquatic resources. Regional mini-conferences are held during the school year to prepare educators for developing their own environmentally sound projects with their students. Educators are also taught how to write grant proposals for an ARE grant and for the Chesapeake Bay Trust. Past workshops have included schoolyard habitat projects, Wonder of Wetlands, Be Part of Something Big!, and a yellow perch project. For more information, or a grant application, please contact Cindy Etgen at 410-260-8710 or cetgen@dnr.state.md.us

Healthy Water, Healthy People is an innovative water quality education program sponsored by Project WET and the Hach Scientific Foundation; offers hands-on activity guides, testing kits, training, and much more. Healthy Water, Healthy People is for anyone interested in learning and teaching about contemporary water quality topics. For more information about

Healthy Water, Healthy People, please contact Cindy Etgen at 410-260-716 or cetgen@dnr.state.md.us



Storm drains were designed to be the fastest and most efficient way of getting rainwater off streets and parking lots.
Unfortunately, the water that flows into your storm drain carries trash and sediment from the street, nutrients in the form of fertilizers, toxics in the form of pesticides, household cleaners, gasoline and motor oil.

All of the water in the storm drains ends up in your local stream, or river. Eventually, most of it ends up in the Chesapeake Bay.

Stenciling storm drains in your community may discourage people from putting harmful items and trash in the drains!

Storm drain stenciling is an awareness activity for your school, 4-H, scout or community organization. Raise awareness about storm drains that dump into your local river or stream!

A refundable \$25 deposit is required. Stencils and directions included. You must contact your local Department of Public Works before you begin stenciling.

Contact: Joann Wheeler 410-260-8809 jywheeler@dnr.state.md.us



Your River, Your Bay

Not everyone lives next to a stream or river, but all of us live in a watershed. Whether you live right on the water—or, like most Marylander's, within a half mile of your neighborhood stream—your actions on the land can affect water quality in the streams and rivers that feed the Chesapeake Bay.

Maryland's Tributary Teams—comprised of local citizens, farmers, business leaders and government official appointed by the Governor—are working to keep your local waterways clean and healthy.

Maryland's Tributary Teams meet regularly in each of the Bay's ten major tributaries to help implement pollution prevention measures needed to address local water quality problems. These teams are laying the groundwork to ensure clean water and healthy rivers for future generations. A major focus of their efforts is controlling nutrient pollution from farm fields and horse pastures, wastewater treatment plants, construction and road building activities, and hundreds of thousands of suburban properties.

What can these teams do for teachers and youth organizations?

- Connect teachers and groups with water quality data.
- Provide "expert" guest speakers on various environmental issues.
- ➤ Partner with them in restoration projects such as oyster gardening, tree growout projects, and rain gardens.

Get Connected!

To get involved in your local Tributary Team call 410-260-8710.

Chesapeake Bay National Estuarine Research Reserve in Maryland

This Reserve system is one of 26 Reserves in 17 states and Puerto Rico established to protect estuarine areas as natural field laboratories for research, monitoring and education. The Maryland reserve system encompasses 4,800 acres in three distinct portions of the Bay: Otter Point Creek in the upper Bay, Jug Bay on the Patuxent River, and Monie Bay on the lower eastern shore. The environmentally diverse habitats represented by these three regions include flooded hardwood forests, freshwater wetlands, and expansive salt marshes. The educational programs of the Chesapeake Bay Reserve in Maryland focus on a wide range of audiences from legislators and coastal decision makers, to environmental professionals, educators, and students. The Anita C. Leight Estuary Center at the Otter Point Creek component serves as the Reserve center for the state. Check out Maryland CBNEER's Web Site: http://www.dnr.state.md.us/bay/cbnerr/index.html

T.E.A.M. Volunteer Program TEACHING ENVIRONMENTAL AWARENESS IN MARYLAND



T.E.A.M. DNR is a volunteer initiative providing elementary school teachers with classroom-based presentations on Chesapeake Bay Issues. The program is designed to educate students about natural

resource issues vital to the protection and restoration of the Bay, its tributaries and living resources. Each presentation is provided FREE of charge and is available to public and private schools around the state. Since the program began in 1997, TEAM volunteers have reached more than 3500 students in more than 50 classrooms statewide. For more information about this exciting new Program, call Matthew Chasse at 410-260-8828 or email at mchasse@dnr.state.md.us.

Department of Natural Resources Educational Programs

This is a list of resources that Maryland Department of Natural Resources offers for people interested in educating students or furthering their own natural resources skills. They include student activities, in-class presentations, educator professional development opportunities, and outdoor education opportunities for people of all ages. If you have any questions, please contact:

Elena S. Takaki
Tawes State Office Building, E2
580 Taylor Ave.
Annapolis, MD 21401
410-260-8715
etakaki@dnr.state.md.us

Program	Target Audience	Key Goal of Program	Website	
	FISHERIES			
Hooked on Fishing, Not on Drugs™ Donna Fahres 410-260-8721	Ages 7-15	Teach fishing & conservation ethic; drug avoidance.	http://www.dnr.state.md.us/education/hofnod.html	
	WATERSHED EDUCATION			
Aquatic Resources Education Grants Cindy Etgen 410-260-8716	Educators	Promote aquatic resources projects in schools.	http://www.dnr.state.md.us/education/aregrantapp.pdf	
Project WET Cindy Etgen 410-260-8716	Educators	Promote teaching of water-related issues.	http://www.dnr.state.md.us/education/projectwet.html	

Program	Target Audience	Key Goal of Program	Website
Storm Drain Stenciling Joann Wheeler 410-260-8809	Educators	Promote teaching of water-related issues.	http://www.dnr.state.md.us/education/projectwet.html
TEAM (Teaching Environmental Awareness is Maryland) Matt Chasse 410-260-8828	Volunteers K-8	Teach watershed & conservation issues.	http://www.dnr.state.md.us/education/teamdnr
Check-Up Elena S. Takaki 410-260-8715	Grades 6-12	Guide on how to assess the natural resource use in your school (waste, water, and energy).	http://www.dnr.state.md.us/smartgrowth/ed/checkup.ht ml
Where Do We Grow from Here? Sandy Olek 410-260-8979	Grades 6-12	A teacher's resource guide on growth and its impacts in Maryland. Includes lesson plans, maps, and background information.	http://dnrweb.dnr.state.md.us/smartgrowth/home.htm
Maryland Biological Stream Survey Paul Kazyak 410-260-8607	Educators	Use the website to obtain information about chemical and biological sampling conducted throughout the state	http://www.dnr.state.md.us/streams/mbss
Surf Your Watershed Kevin J. Coyne 410-260-8985	Grades 8- Adult	Website provides data, profiles, bibliographic references, information about on-going projects in Maryland's 134 watershed.	http://www.dnr.state.md.us/watersheds/surf

Program	Target Audience	Key Goal of Program	Website	
	CHESAPEAKE BAY			
Horseshoe Crabs in the Classroom Matt Chasse 410-260-8828 Cindy Etgen 410-260-8716	Grades 3-12	Teach about value of and threats to this resource.	http://www.dnr.state.md.us/education/horseshoecrab	
National Estuarine Research Reserve Bob Finton	K-12 Educators	Teach about coastal ecosystems.	http://dnr.state.md.us/bay/cbnerr/index.html	
Bay Grasses in Classes Mark Lewandowski 410-260-8634	K-12	Teach about value of and threats to this resource.	http://www.dnr.state.md.us/bay/sav/bgic/grass_class.ht ml	
Eyes on the Bay Chris Heyer 410-260-8692	Grades 8 - adults	View real-time data on Chesapeake Bay conditions. Includes lesson plans to support use of the website.	http://mddnr.chesapeakebay.net/eyesonthebay/index.c fm	
	HUNTER & BOATER SAFETY			
Boater Education Dave Street 410-260-3288	Adults	Environmentally responsible boating behavior.	http://www.dnr.state.md.us/nrp/boatingsafetyedu.html	
Hunter Education Mo Aguilar	Adults	Safe hunting behavior - required by law	http://www.dnr.state.md.us/nrp/education	

Program	Target Audience	Key Goal of Program	Website		
	STATE PARKS				
Junior Rangers Steve McCoy 410-260-8150	K-12 (ages 7- 14)	Understanding & appreciation of natural resources at State Parks.	http://www.dnr.state.md.us/publiclands/jrranger.html		
Park Naturalist Programs Steve McCoy (Park Naturalists) 410-260-8150	K-12 Adult	Understanding & appreciation of natural resources at State Parks.	http://www.dnr.state.md.us/publiclands		
Outdoor Discovery Camp Cindy Hawkins 410-260-8154	K-12 (ages 8- 17)	Understanding of natural resources & recreational opportunities at State Parks.	http://www.dnr.state.md.us/publiclands/outdoordisc.html		
Scales & Tales Steve McCoy 410-260-8150	K-12 Adult	Understanding & appreciation for wildlife and stewardship of natural resources	http://www.dnr.state.md.us/publiclands/snt.html		

Program	Target	Key Goal	Website
	Audience	of Program	
Tawes- Natural Resources Club Tawes Garden Day Camp Amy Henry 410-260-885	Ages 6-12	Understanding & appreciation of natural resources at State Parks.	http://www.dnr.state.md.us/publiclands/daycampapplic. html
Leave No Trace Steve McCoy 410-260-8150	All ages	Teaches stewardship and outdoor ethics through minimum impact recreation.	http://www.dnr.state.md.us/outdooradventures/Int.html
		FO	RESTRY
Project Learning Tree Dave Reinecke 410-673-7507	Educators	Understanding of forestry concepts.	http://www.dnr.state.md.us/forests/kids/plt.html
Arbor Day Curriculum Will Williams 410-414-5905	Educators, 3rd graders	Provide curriculum and free trees to classes.	http://www.dnr.state.md.us/forests/education/arborday. html
School Forests Pam Kelly 410-260-8589	K-12	Establish school forests for study and environmental benefit	
Forest Stewardship Seminars Will Williams 410-414-5905	Adults	Provide knowledge needed for forest management.	
Tree-mendous Maryland Terry Galloway 410-260-8510	Adults	Tree planting skills.	http://www.dnr.state.md.us/forests/treemendous

Program	Target Audience	Key Goal of Program	Website	
	WILDLIFE			
Project WILD Marilyn Mause 410-836-4557	Educators	Understanding of habitat, wildlife and conservation concepts.	http://www.dnr.state.md.us/wildlife/projectwild.html	
Wild Acres Marilyn Mause 410-836-4557	Adults	Promote creating backyard habitat.	http://www.dnr.state.md.us/wildlife/wildacres.html	
Junior Hunter Days Karina Blizzard 410-260-8559	Ages 16 or younger	Safe hunting behavior.	http://www.dnr.state.md.us/wildlife/wmaintro.html	
		A]	DULTS	
Becoming An Outdoors Woman Karina Blizzard 410-260-8559	Adults	Experience outdoors; learn recreational skills.	http://www.dnr.state.md.us/wildlife/bow.html	
Tributary Teams Jamie Baxter 410-260-8987	Adults	Environmentally responsible behavior	http://www.dnr.state.md.us/bay/tribstrat	
GEOLOGY				
Maryland Geology Dale Shelton 410-554-5505	K-12	Teaching of the wonderful and varied geology of Maryland.	http://www.mgs.md.gov/	

Program	Target Audience	Key Goal of Program	Website	
	OTHER			
Bay Game Alexis Grant 410-260-8016	All ages	Teach environmental concepts through a travel game along Route 50.	http://www.dnr.state.md.us/baygame	
Green Schools Carol Towle 410-260-8713	Educators	Integrate environment into curriculum, school buildings & grounds, and community.	http://www.dnr.state.md.us/education/greenschools.html	
Envirothon Elena Takaki 410-260-8715	9-12	Trains high school students in forestry, wildlife and aquatics issues.	http://intranet/education/envirothon	
Natural Resources Magazine Dorie Coleman 410-260-8002	All ages	Information about DNR's various programs, hot topics, calendar of events, DNR @ Work, and a Natural Education	http://www.dnr.state.md.us/dnrnews/publications.asp	

Maryland Outdoor Education And Nature Genters

Allegany County

WESTERN MD 4-H EDUCATION CENTER

1916 Maryland Highway Suite A Moutain Lake Park, MD 21550

Phone: 301-334-6967 @umail.umd.edu Contact: JAMES SIMS

Anne Arundel County

ARLINGTON ECHO OUTDOOR EDUCATION CENTER

975 Indian Landing Road Millersville, MD 21108 410-222-3822

Contact: Stephen Barry sgbarry@aacps.org

CAMP LETTS OUTDOOR EDUCATION CENTER (YMCA CAMP)

Po Box 208

Edgewater, MD 21037

Phone: 410-269-6697 or 301-261-4286 Contact: GLORIA BROWN or KYLE

IORIO

WEST RIVER OUTDOOR EDUCATION CENTER

975 Indian Landing Road Millersville, MD 21108

Phone: 410-222-1688 or call Arlington

Echo @ 410-222-3822 or -3823

WOODLANDS OUTDOOR EDUCATION CENTER

975 Indian Landing Road Millersville, MD 21146

Phone: 410-222-5825 or call Arlington

Echo @ 410-222-3822 Contact: Stephen Barry

Baltimore City

BRAGG NATURE CENTER

6601 Baltimore National Pike Baltimore, MD 21228 Phone: 410-747-8336 Contact: BEN WALLACE

Baltimore County

IRVINE NATURAL SCIENCE CENTER

ST. TIMOTHY'S SCHOOL 8400 Green Spring Ave Stevenson, MD 21153

Phone: 410-484-2413 Fax: 410-484-

3573

Contact: ROB MARDINEY

CAMP PUH'TOK (SALVATION ARMY)

Contact: ROBERT W. ELDREDGE

Summer Address: 17433 Big Falls Road Monkton, MD 21111 Phone: 410-329-6590

Winter Address:

2602 Huntingdon Avenue

Baltimore, MD 21211 Phone: 410-366-5081

GENESEE VALLEY OUTDOOR LEARNING CENTER

1717 Rayville Road Parkton, Md 21120-

Phone: 410-343-0101 or -0138 Fax:

410-343-1451

Contact: JIM CURTIS

OREGON RIDGE NATURE CENTER

13555 Beaver Dam Road Cockeysville, MD 21030-

Phone: 410-887-1854 or 771-0034 Fax:

NOT AVAILABLE

Contact: KIRK DREIER, SUE LESLIE, or

GLENN SWISTON

SOLDIER'S DELIGHT

5100 Deer Park Road Owings Mills, MD 21117 Phone: 410-922-3004

Calvert County

BATTLE CREEK CYPRESS SWAMP

C/O Calvert County Courthouse Prince Frederick, MD 20678-

Phone: 410-535

Contact: ANDY BROWN

FLAG POND NATURE PARK

Address and Phone same as for Battle Creek Cypress Swamp

JEFFERSON PATTERSON PARK AND MUSEUM

10545 Mackall Road St Leonard, MD 20685-

Phone: 410-586-0050 or -9700 Fax:

410-586-9705

Contact: GEORGE ABBEE

KING'S LANDING

King's Landing Road Huntingtown, MD

Phone: 410-535-2960 Fax: 410-535-

7372

Contact: JACKIF WEYMEYER

Carroll County

CARROLL COUNTY OUTDOOR SCHOOL

Hashawha Environmental Center 300 John Owings Road Westminister, MD 21158 Office: 125 N. Court Street Westminster, MD 21157

410-751-3301

Contact: Steve Heacock

FAIR HILL NATURE CENTER

30 Martz Road

Sykesville, MD 21784-Phone: 410-795-6474 Fax: 410-795-6235

Contact: LOREN LUSTIG,

Administrator

HASHAWHA ENVIRONMENTAL CENTER

300 John Owings Road Westminister, MD 21158

410-848-9040

Email: Hashawha@carr.org

Cecil County

FAIR HILL NATURE AND ENVIRONMENTAL CENTER

630 Tawes Drive Elkton, MD 21921 Phone: 410-398-4909

Contact: HOLLY HANNUM or KAREN

ASPINWALL

Charles County

NANJEMOY CREEK ENVIRONMENTAL EDUCATION CENTER

Charles County Public Schools

Po Box D

La Plata, MD 20646-0170 Phone: 301-743-3526

Contact: STEVE CARDANO

scardano@erols.com

Frederick County

FREDERICK OUTDOOR SCHOOL (CAMP GREENTOP)

C/O Monocacy Middle School 8009 Opossumtown Pike Frederick, MD 21702-Phone: 301-696-9261

Phone: 301-696-9261 Contact: EDDIE MAIN

SUMMIT LAKE OUTDOOR EDUCATION CENTER

Emmitsburg, MD 21727 Phone: 301-924-3123

Garrett County

HICKORY ENVIRONMENTAL EDUCATION CENTER

604 Pride Parkway Accident, MD 21520-

Phone: 301-746-8461 Fax: 301-746-

8461

Contact: JOSEPH L. WINTERS

heec@excite.com

WESTERN MARYLAND 4-H EDUCATION CENTER

1916 Maryland Highway

Suite A

Moutain Lake Park, MD 21550-Phone: 301-334-6967 Fax: 301-334-

6961

Contact: PAUL WEBSTER pw82@umail.umd.edu

Harford County

HARFORD GLEN ENVIRONMENTAL EDUCATION CENTER

502 West Wheel Road Bel Air, MD 21015

Phone: 410-638-3903 Fax: 410-638-

3907

Contact: MARK HERZOG

Kent County

ECHO HILL OUTDOOR SCHOOL

13655 Bloomingneck Road

Worton, MD 21678-

Phone: 410-348-5303 or -5880 Fax:

410-348-2010

Contact: PETER RICE or BETSY

McCOWN

ehos@bluecrab.org

Montgomery County

LATHROP E. SMITH ENVIRONMENTAL CENTER

5110 Meadowside Lane Rockville, MD 20855 Phone: 301-924-3123

Contact: Dave Honchalk

Dave_honchalk@fc.mcps.k12.md.us

Prince George's County

CLEARWATER NATURE CENTER

11000 Thrift Road Clinton, MD 20735

Phone: 301-297-4575 Fax: 301-297-

5743

Contact: SANDY LYON

PATUXENT NATIONAL WILDLIFE VISITOR'S CENTER

10901 Scarlet Tanager Loop

Laurel, MD 20708-

Phone: 301-497-5760 or -5763 Fax:

301-497-5765

Contact: NEL BALDACCHINO @ Ext

5766

PATUXENT RIVER 4-H CENTER

18405 Queen Anne Road Upper Marlboro, MD 20774

Phone: 301-390-7259 Fax: 301-390-

7883

Contact: Bonnie Dunn

WILLIAM S. SCHMIDT CENTER

Prince George's County Public Schools

18501 Aquasco Road Brandywine, MD 20613-

Phone: 301-888-1185 Fax: 301-888-

1236

Contact: JOHN NEVILLE

<u>inevile@erols.com</u>

Queen Anne's County

CAMP WRIGHT

400 Camp Wright Lane Stevensville, MD 21666

Phone: 410-643-4171 Fax: 410-643-

8421

Contact: VAN E. BEERS or NOAH

KEGLEY

St. Mary's County

ELMS ENVIRONMENTAL EDUCATION CENTER

St. Mary's Co Public Schools Department Of Instruction 27190 Point Lookout Road Loveville, MD 20656

Phone: 301-475-4230 Fax: 301-475-

4229

Contact: MARIANNE CHAPMAN

Talbot County

PICKERING CREEK ENVIRONMENTAL CENTER

11450 Audubon Lane Easton, MD 21601

Phone: 410-822-4903 Fax: NOT

AVAILABLE

Contact: RICK LEADER, Executive

Director

rleader@pickeringcreek.org

Washington County

FAIRVIEW OUTDOOR EDUCATION CENTER

12808 Draper Road Clear Spring, MD 21722

Phone: 301-766-8138 Fax: 301-842-

1152

Contact: CARL STARK, Principal starkcar@mail.wcboe.k12.md.us

Wicomico County

PEMBERTON HISTORICAL PARK AND ENVIRONMENTAL CENTER

Pemberton Drive Salisbury, MD 21801 Phone: 410-860-2447

Worcester County

POCOMOKE RIVER STATE PARK

(Milburn Landing And Shad Landing) Pocomoke River State Parks Route 3, Po Box 237 Snow Hill, MD 21863

Phone: 410-632-2566 Contact: Lt.

Gary Edelhardt

ALLIANCE Alliance for The Chesapeake Bay

is a regional nonprofit organization that builds and fosters partnerships to restore the Bay and its rivers. The Alliance does not lobby or litigate. Instead the Alliance does the slow, hard word of bridging dialogue between groups that don't see eye to eye, forming strategies for joint solutions, and building the capacity of communities for local-level action. To this end, the Alliance:

- Develops methods and tools for restoration activities and trains citizens to use them.
- Mobilizes decision-makers, stakeholders, and other citizens to learn about Bay issues and participate in resolving them.
- Provides analysis, information, and evaluation of Bay policies, proposals, and institutions.

The Alliance for the Chesapeake Bay mobilizes citizens to learn about Bay issues and participate in resolving them, providing opportunities for everyone to get involved in some way to help restore the Bay. Getting involved can mean helping a lot or a little.

It can be something as simple as spending a Saturday canoeing a river and learning about its connection to the Chesapeake, or it can mean joining the ranks of a local watershed organization and becoming a leader in local restoration efforts.

For more information about the Alliance, you can go to its web site at http://www.acb-online.org or call (410) 377-6270



The Chesapeake Bay Program

is unique regional partnership that has led and directed the

restoration of the Chesapeake Bay since 1983.

The Chesapeake Bay Program partners include:

- The State of Maryland,
- The State of Virginia,
- The State of Pennsylvania,
- ❖ The District of Columbia.
- The Chesapeake Bay Commission (a tri-state legislative body),
- The Environmental Protection Agency (representing the federal government; and participating citizen advisory groups.

Education is certainly one of the greatest potential allies of the Chesapeake Bay. As the purveyors of education, teachers and other educators are a crucial link in restoring and protecting the Bay for generations to come. However, for teachers to teach effectively about the Bay, they must have access to the proper resources.

For more information on **Chessie**, Chesapeake Science on the Internet for Educators, a great new resource for Bay area educators, visit us at: Http://www.bayeducation.net/

For more information on the Chesapeake Bay Program, go to: http://www.chesapeakebay.net/ or call us at: (410) 267-5700 or 1 (800) YOUR BAY (968-7229)



The Trust is a private, nonprofit grant making organization created by the Maryland General Assembly in 1985 to promote public awareness and participation in the restoration and protection of the Chesapeake Bay and its Maryland tributaries.

To accomplish its mission, the Trust receives financial contributions from the general public and the private sector and distributes those contributions in the form of financial support grants to Bay-related programs. Recipients include nonprofit organizations, civic and community groups, schools and public agencies.

Thousands of organizations, agencies and schools throughout Maryland have shared in grants for stream cleanups, tree and marsh grass plantings, erosion control projects, water quality monitoring, habitat restoration, aquaculture projects, recycling activities and the development of awareness programs and educational materials to instill in people of all ages a better understanding of the Bay.

In addition to gifts from private citizens and the business community, the Trust is supported by voluntary donations via the tax check-off on the Maryland income tax return and by sales of the commemorative "Treasure the Chesapeake" license plate.

In 2002, the Chesapeake Bay Trust exceeded its grant giving goals, awarding more than \$1.2 million in grants, and involved thousands of Maryland school children and other volunteers in towns, cities, and counties across the State.

For fiscal 2003, the Trust has set a goal of \$1.3 million for projects that engage Marylanders in the protection and restoration of the Chesapeake Bay, For more information on grants opportunities and a grant application form go to: http://www.chesapeakebaytrust.org/grantopportunities.html. To reach us by phone, call: 410-974-2941